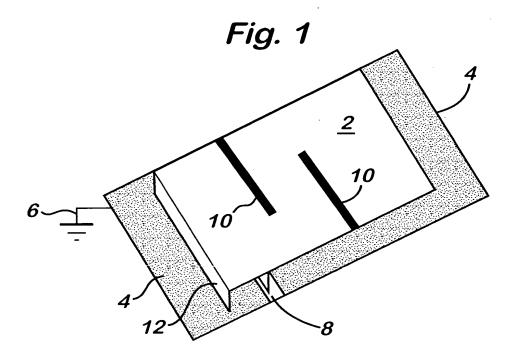


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PRIOR ART

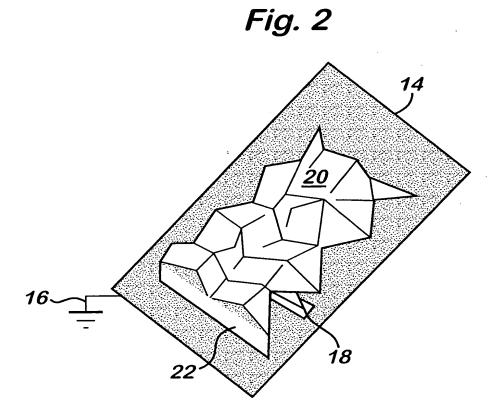


Fig. 3

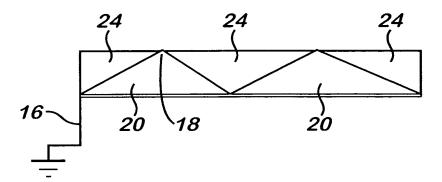


Fig. 4(a)

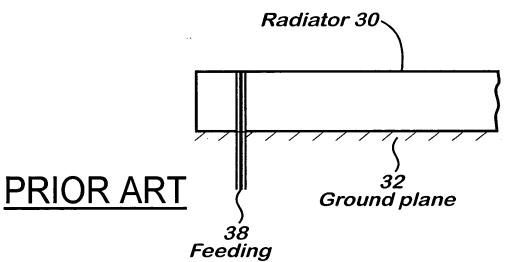
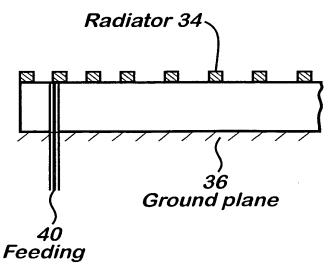


Fig. 4(b)



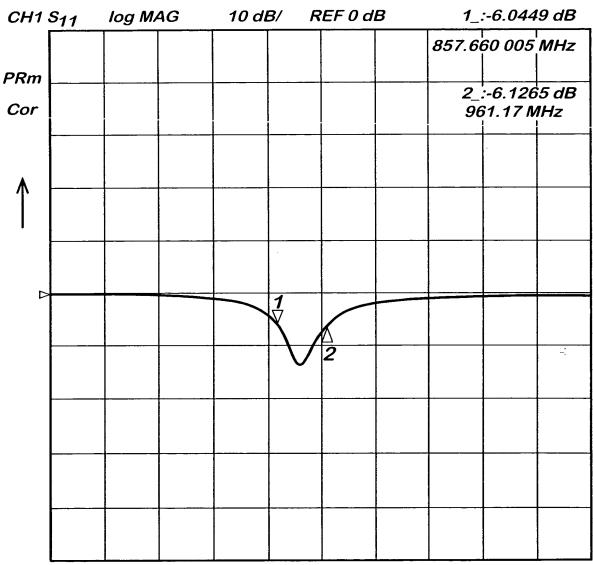


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Fig. 5(a)

Flat PIFA

11 Oct 2000 11:50:53



START 400.000 000 MHz

STOP 1 500.000 000 MHz

-6db bandwidth = 103.51 MHz

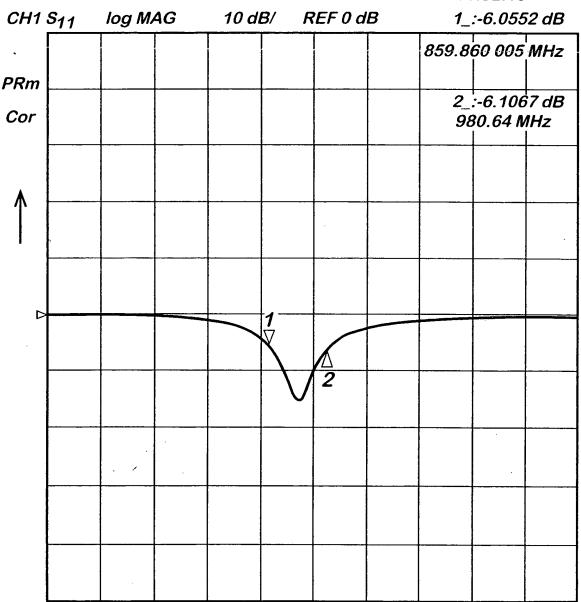


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Fig. 5(b)

Shaped PIFA

11 Oct 2000 11:52:13



START 400.000 000 MHz

STOP 1 500.000 000 MHz

-6db bandwidth = 120.74 MHz